·	Application No.	Applicant(s)		
Notice of Allowability	09/690,634	90.634 FRAISSE ET AL.		
	Examiner	Art Unit		
	Alexander Jamal	2643	ī	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) on NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in other appropriate comm GHTS. This application is	n this application. If not included unication will be mailed in due cou	ırse. <b>THIS</b>	
1. $igspace$ This communication is responsive to <u>Amendment filed 8-18</u>	<u>-2004</u> .			
2. $\square$ The allowed claim(s) is/are $4,7-17,20-27$ and 30.				
3. $igotimes$ The drawings filed on <u>04 February 2004</u> are accepted by the	e Examiner.		-	
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority und</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> </ul>	been received.			
3. ☐ Copies of the certified copies of the priority doc			from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMITHIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file ENT of this application.	e a reply complying with the requi	rements	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF	
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must	t be submitted.			
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached				
1)  hereto or 2)  to Paper No./Mail Date				
(b)  including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment o	r in the Office action of		
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on ne header according to 37 C	the drawings in the front (not the ba FR 1.121(d).	ick) of	
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposent attached Examiner's comment regarding REQUIREMENT F</li> </ol>			e the	
Attachment(s)	5 D Notice of I	oformal Patent Application (PTO-1	52)	
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>		<ul><li>5. ☐ Notice of Informal Patent Application (PTO-152)</li><li>6. ☑ Interview Summary (PTO-413),</li></ul>		
<ol> <li>Information Disclosure Statements (PTO-1449 or PTO/SB/0)</li> </ol>	Paper No	Paper No./Mail Date <u>11-30-2004</u> .  7. ⊠ Examiner's Amendment/Comment		
Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8 M Evaminer's	s Statement of Reasons for Allowa	ance	
of Biological Material	9. ☐ Other	- Reasons to Allowa	0	
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U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) Application/Control Number: 09/690,634

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## **DETAILED ACTION**

# Response to Applicant's Amendment

- 1. Examiner notes that claims 1-3,5,6,18,19,28,29 have been cancelled.
- 2. Based upon the submitted amendments received 8-18-2004, examiner withdraws all claim rejections.

#### Examiner's Amendment

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James Morris on 12-7-2004.

### Claim 4.

A circuit for regenerating a clock signal based on a first complementary signal and a second complementary signal by means of a D flip-flop, a clock input of which receives the result of a logic combination of two shaping signals resulting from a filtering of the respective rising edges of the first and second complementary signals,

wherein a reset input of the flip-flop receives one of said shaping signals,

wherein the logic combination is of NAND type, the shaping signals being provided by inverters, and

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wherein the reset input of the flip-flop is connected at the output of the inverter for shaping the first complementary signal, of which an output of the flip-flop provides an inverted image.

## Allowable Subject Matter

- 4. Claims 4,7-17,20-27 and 30 are allowed over the prior art of record
- 5. The following is an examiner's statement of reasons for allowance:

The instant application is deemed to be directed to a non-obvious improvement over the capacitive isolation interface between a modem(repeater) and a transmission line disclosed by applicant's admitted prior art (specification: Fig. 1-3). The improvement comprises using one of the complementary signals to reset the flip-flop in order to reduce errors in regenerating the clock.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Jamal whose telephone number is 703-305-3433. The examiner can normally be reached on M-F 8AM-5PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis A Kuntz can be reached on 703-305-4708. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-872-9315 for After Final communications.

AJ December 10, 2004 BINH TIEU
PRIMARY EXAMINER